

Claims

1. A slope setting device for an item of furniture comprising a furniture part able to be set at a slant about a horizontal pivot axis, more particularly for worktables (1) with a workboard (2) able to be set at a slant, to bear the furniture part at the respective slant, a guide part (7) having an elongated configuration and to be attached to the carcass (5) of the furniture, a support part (8) projecting from the guide part (7), said support part (8) having an elongated configuration and running telescopically in the guide part (7) and serving for supporting the said furniture part able to be slanted, a brake means (27) adapted to be ineffective or substantially so during withdrawal of the support part (8), and to brake movement of the support part (8) during opposite insertion into the guide part (7) and an actuating means to be actuated by the user for actuating the brake means (27), characterized in that the braking action of the brake means (27) is adjustable.

2. The slope setting device in accordance with claim 1, characterized in that the brake means (27) is a friction brake.

3. The slope setting device in accordance with claim 1 or with claim 2, characterized in that the brake means (27) comprises at least one brake body (28 and 29) to be acted upon

by the brake means (17) directly or indirectly on being operated so that it is thrust against the support part (8).

4. The slope setting device in accordance with claim 4, characterized in that the at least one brake body (28 and 29) is bearinged in a through recess (30), extending as far as the support part (8), of the guide part (7).

5. The slope setting device in accordance with claim 3 or claim 4, characterized in that the at least one brake body (28 and 29) is arranged laterally on the guide part (7) and the actuating means (17) includes at least one rib part (32 and 33), extending past the side of the at least one brake body (28 and 29) on the guide part (7), such rib part having a ramp face arrangement (34) acting directly or indirectly on the brake body (28 and 29), such arrangement thrusting the at least one brake body (28 and 29) against the support part (8) on operation of the actuating means.

6. The slope setting device in accordance with any one of the claims 3 through 5, characterized in that the actuating means (17) acts on the at least one brake body (28 and 29) by the intermediary of a roller body.

7. The slope setting device in accordance with claim 6, characterized in that to set the braking action of the brake means (27) the distance of the at least one rib part (32 and 33) from the guide part (7) may be adjusted.

8. The slope setting device in accordance with claim 6 or claim 7, characterized in that to set the braking action of the

brake means (27) the angle of slope of the ramp face arrangement (34) is able to be adjusted.

9. The slope setting device in accordance with any one of the claims 6 through 8, characterized in that the actuating means (17) constitutes two rib parts (32 and 33) running past the guide part (7), of which at least one acts on the at least one brake body (28 and 29) and that for adjustment of the braking action (27) the distance apart of the rib parts (32 and 33) is able to be set.

10. The slope setting device in accordance with claim 9, characterized in that the of the rib parts (32 and 33) is able to be set by a screw (42) connecting the two rib parts (32 and 33) with one another.

11. The slope setting device in accordance with claim 9, or with claim 10, characterized in that the actuating means (17) surrounds the guide part (7) with play, allowing the actuating motion of the actuating means (17), like a fork or a frame (35), the rib parts (32 and 33) constituting the arms of a fork or, respectively, opposite sections of such frame.

12. The slope setting device in accordance with any one preceding claim, characterized in that the actuating means (17) includes an actuating rod (20), on whose end part nearer the brake means (27) an actuating element (21) is arranged, which is inactive absent actuation of the actuating rod and on actuation of the actuating rod activates the brake means (27).

13. The slope setting device in accordance with claim 12, characterized in that the actuating rod is guided for motion in

a linear direction and on operation performs a linear movement, in the case of which the ramp face arrangement (34) shifts the position of at least one brake body (28 and 29) toward the support part (8).

14. The slope setting device in accordance with claim 12 or claim 13, characterized in that the actuating element (21) runs in a device housing (24) linearly, same surrounding the brake means (27), the nearer end portion of the guide part (7) and the actuating element (21).

15. The slope setting device in accordance with any one of the preceding claims, characterized in that the actuating means (17) is able to be actuated against a spring force.

16. The slope setting device in accordance with any one of the preceding claims, characterized by arresting means for arresting the support part (8) on the guide part.

17. The slope setting device in accordance with any claim 16, characterized in that the arresting means comprise a pawl clamping part (14) for pawl clamping the support part (8) on the guide part (7), same automatically releasing the support part (8) on upward movement thereof in relation to the guide part (7) and clamping the support part (8) on downward motion thereof in relation to guide part (7) and that the actuating means (27) acts, simultaneously with the actuation of the brake means (27), on the pawl clamping part (14) to override its clamping action.

18. The slope setting device in accordance with claim 17, characterized in that the pawl clamping part (14) extends

through the support part (8) with play for running skew and bears against the guide part (7) and is able to be pivoted dependent on the degree of play for skew positioning so that the support part (8) is able to be withdrawn from the guide part (7) with automatic cessation of the skew setting with the pawl clamping part (14) and in the opposite direction is secured by automatic skew positioning with the pawl clamping part (14) bearing against the guide part (7).

19. The slope setting device in accordance with any one of the preceding claims 16 through 18, characterized in that the end side of the guide part (7), from which the support part (8) extends, is made oblique to extend away from the point of engagement toward the actuating means (17) and away from the end, supporting the obliquely settable furniture part, of the support part (8).